

Title (en)

Method, apparatus and computer program for calculating and adjusting the perceived loudness of an audio signal

Title (de)

Verfahren, Vorrichtung und Computerprogramm zur Berechnung und Anpassung der wahrgenommenen Lautstärke eines Audiosignals

Title (fr)

Procédé, appareil et programme informatique pour calculer et régler le volume perçu d'un signal audio

Publication

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Application

EP 07013246 A 20040527

Priority

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- US 47407703 P 20030528

Abstract (en)

[origin: EP1835487A2] One or a combination of two or more specific loudness model functions selected from a group of two or more of such functions are employed in calculating the perceptual loudness of an audio signal. The function or functions may be selected, for example, by a measure of the degree to which the audio signal is narrowband or wideband. Alternatively or with such a selection from a group of functions, a gain value $G[t]$ is calculated, which gain, when applied to the audio signal, results in a perceived loudness substantially the same as a reference loudness. The gain calculating employs an iterative processing loop that includes the perceptual loudness calculation.

IPC 8 full level

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CPC (source: EP)

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Cited by

WO2010104299A3; US8515087B2; US8538043B2; US8290182B2; US9461603B2; US8275150B2; US8275154B2; DE102015217565A1; EP3190700A1; US9893698B2

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